

Unit Name

Cell Signal Unit
Professor Tadashi Yamamoto

Research Personnel

Narae Kim, Staff Scientist
Haytham Mohamed, Postdoctoral Scholar
Hiroaki Sako, Postdoctoral Scholar
Lea Picard, Postdoctoral Scholar
Saori Nishijima, Research Unit Technician
Risa Ishida, Research Unit Technician
Atsuko Sato, Research Unit Technician
Nao Ohmine, Research Unit Technician
Miwako Homma, Visiting Researcher
Olga Elisseeva, Visiting Researcher
Shinya Ikematsu, Visiting Researcher
Eriko Okamatsu, RUA
Sae Moriya, Research Intern
Riku Hayamizu, Research Intern
Miki Tara, Research Intern
Marin Hayashi, Research Intern

Scholarly Contributions and Creative Productions (by Faculty)

Journal Article

1. Yamamoto, T.; Soeda, S.; Montrose, M.; Takahashi, A.; Ishida, R.; Burriel, S.; Ohmine, N.; Natsume, T.; Adachi, S.; Kim, M.
The E3 Ubiquitin Ligase, RNF219, Suppresses CNOT6L Expression to Exhibit Antiproliferative Activity. *FEBS Open Bio* 2025, 15.
2. Yamamoto, T.; Elanany, M. M.; Mostafa, D.; Hady, A. A.; Abd Allah, M. Y. Y.; Ahmed, N. S.; Elghazawy, N.; Sippl, W.; Hamdy, N. M.
CCR4-NOT Transcription Complex Subunit 7 (CNOT7) Protein and Leukocyte-Associated Immunoglobulin-like Receptor-1 in Breast Cancer Progression: Clinical Mechanistic Insights and In Silico Therapeutic Potential. *International Journal of Molecular Sciences* 2025, 26.
3. Yamamoto, T.; Tokumasu, M.; Sato, A.; Ito-Kureha, Y.; Yamashita, M.; Ohmine, N.; Semba, K.; Inoue, J. 'ichiro.
Tob Negatively Regulates NF- κ B Activation in Breast Cancer through Its Association with the TNF Receptor Complex. *Cancer gene therapy* 2025.

Poster Presentation at Conference

1. Yamamoto, T.; Sako, H.
Protein Truncation Mitigation. The 48th Annual Meeting of the molecular biology society of Japan 2025.
2. Yamamoto, T.; Tara, Y.; Imai, H.; Yamashita, A.
mRNA Turnover Mediated by YTHDF2 and the CCR4-NOT Complex Regulates Pancreatic β -Cell Homeostasis. The 48th Annual Meeting of the molecular biology society of Japan 2025.
3. Yamamoto, T.; Mohamed, H.; Sarmah, H.; Sato, A.
Genome-Wide Mapping of CNOT9 Binding Reveals Transcriptional Control of Developmental Genes in Mouse ESCs. The 48th Annual Meeting of the molecular biology society of Japan 2025.
4. Yamamoto, T.; Ohmine, N.; Nishijima, S.; Ishida, R.; Osada, K.
Therapeutic Silencing of the Anti-Apoptotic Gene TOB1 via siRNA Enhances Chemotherapeutic Sensitivity. The 48th Annual Meeting of the molecular biology society of Japan 2025.
5. Yamamoto, T.; Picard, L.; Esnouf, E.; Jacquet, S.
Positive Selection Patterns in DTX3L/PARP9/PARP14 Complex Reveal Insights into Immune Functions in. 31st East Asia Joint Symposium 2025.

Presentation at Conference

1. Yamamoto, T.; Sato, A.; Sarmah, H.; Mohamed, H.; Ito, K.; Kaneko, M.; Abe, T.; Ajima, R.
Cnot9 Associates mRNA Transcription in Mouse Embryogenesis. The 12th CCR4-NOT Meeting 2025.
2. Yamamoto, T.; Picard, L.; Esnouf, E.; Jacquet, S.
Positive Selection Patterns in DTX3L/PARP9/PARP14 Complex Reveal Insights into Immune Functions in Mammals. 31st East Asia Joint Symposium 2025.
3. Yamamoto, T.; Nishijima, S.; Ohmine, N.; Nishiyama, A.; Ishida, R.; Osada, K.
Development of Surviving Gene siRNA in the Therapy of Fibrotic Tumors. The 84th Annual Meeting of the Japanese Cancer Association International Cancer Meeting in Kanazawa 2025.
4. Yamamoto, T.
Special Lecture. 第 1 回 沖縄分子腫瘍学研究交流会 2025.
5. Yamamoto, T.; Sako, H.
Protein Truncation Mitigation . The 15th Signal Network Meeting 2025.
6. Yamamoto, T.; Tara, Y.
Post-Transcriptional Regulation of Pancreatic β -Cell Homeostasis via YTHDF2-CCR4-NOT-Dependent mRNA Decay. The 15th Signal Network Meeting 2025.
7. Yamamoto, T.
RNF219 Ubiquitin Ligase Associated with the CCR4-NOT Targets CNOT6L. The 15th Signal Network Meeting 2025.

Honors, Awards & Fellowships

N/A

External Service

Term 2 2024 - Ongoing	Member of Development and Extension Committee, Comprehensive Support Program for Fostering Globally Competent Researchers、 Ministry of Education, Culture, Sports, Science and Technology [Fiscal Year: 2024]
Term 2 2024 - Ongoing	Member of a research grant screening committee, Takeda Science Foundation [Fiscal Year: 2024]
Term 2 2024 - Ongoing	Board member, Yasuda Memorial Medical Foundation [Fiscal Year: 2024]

Workshops and Seminars [Organized and Hosted by Faculty/Units]

Speaker Name(s)	Title	Location	Date
Kazuhiro Nagata	Organelle homeostasis of the ER through crosstalk among proteostasis, redox regulation and calcium homeostasis	OIST	2026-03-11
Tamotsu Yoshimori	30 Years of Autophagy: From Fundamental Mechanisms to Healthspan Extension	OIST	2026-03-11
Kotaro Fujii	The Precision of Mistakes: Dynamic mRNA Translation Fidelity in Development and between Species	OIST	2025-10-6